

**ABSTRACT OF THE DISCLOSURE**

A feeder for a surface mounting device includes: a main frame; a parts feeding unit including a forward/backward rotation force generating unit for carrying a tape by forwardly/backwardly rotating a circular permanent magnetic unit by a mutual magnetic force with armature coils, a driving gear for receiving the forward/backward rotation force and simultaneously carrying the tape at a constant distance and a position sensing unit for sensing the position of the permanent magnetic unit; a vinyl separation unit being for carrying the vinyl removed from the tape by the forward rotating force or re-carrying the vinyl by the backward rotating force; and a vinyl recovery unit for recovering the vinyl by winding the same by the forward rotating force unit or discharging the vinyl.

TOP SECRET 6228550